

disposed around one of a reaction surface of an electrode during use and around said communication port, comprising the steps of:

providing an upper mold having a groove positioned corresponding to said seal disposed on one side of said separator body, and a lower mold having a groove positioned corresponding to said seal disposed on the other side of said separator body;

holding said separator body between said upper mold and said lower mold; and

injecting melted seal material to form said seals into each of said grooves in said upper mold and said lower mold through separate gates respectively formed in said upper and lower molds.

5. (Amended) A method for fabricating a seal-integrated separator for a fuel cell, said seal-integrated separator including a separator body, and dual seals which are integrated on both sides of said separator body and which are disposed, side by side, around a reaction surface of an electrode during use, comprising the steps of:

providing an upper mold having grooves positioned corresponding to said dual seals disposed on one side of said separator body, and a lower mold having grooves positioned corresponding to said dual seals disposed on the other side of said separator body;

holding said separator body between said upper mold and said lower mold; and

injecting melted seal material to form said seals into each of said grooves in said upper mold and said lower mold through gates respectively formed in said upper and lower molds.